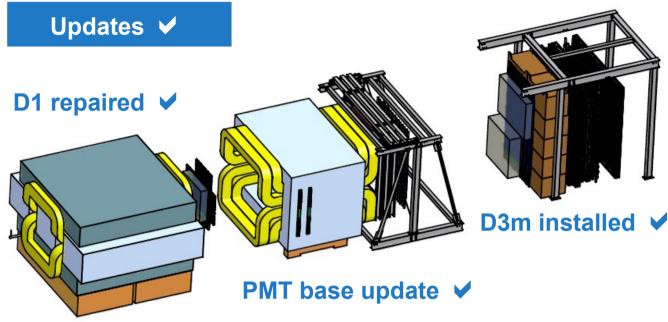


### **Spectrometer Status**



new D1 built at CU-Boulder

Target ✓

Magnets ✓

Hodoscopes ✓

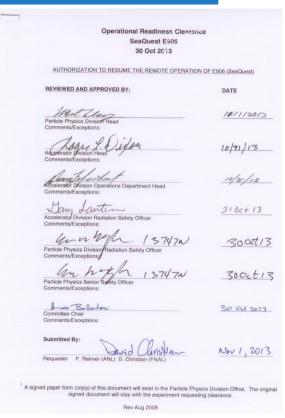
Drift Chambers ✓

operational, awaits beam operational

calibrated with cosmics, operational, awaits beam

operational, await beam, change gas adiabatically from Ar:CO<sub>2</sub> to P08:CF<sub>4</sub>

#### ORC ✓

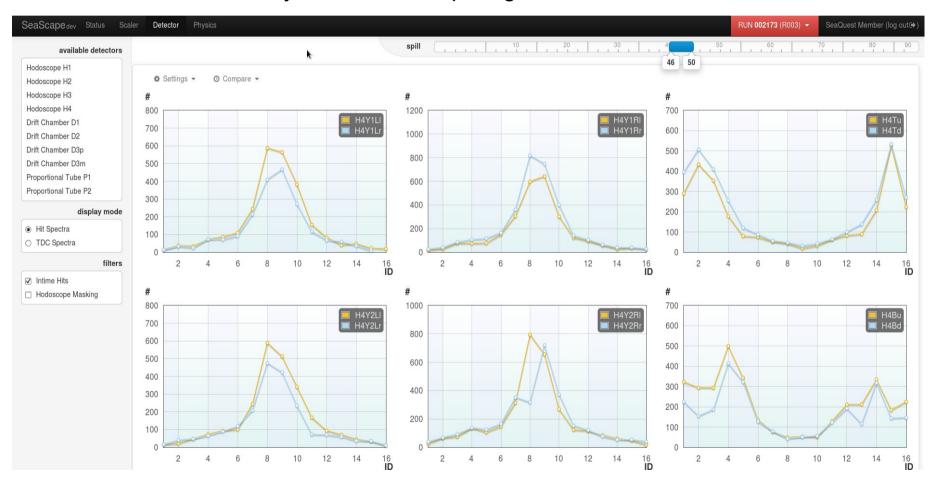


## **DAQ / Trigger Status**

- custom-made high-rate TDCs installed and well tested, await beam
- L(evel)0, L(evel)1, and L(evel)2 trigger modules installed and operational
- readout of L0 trigger modules integrated in mainDAQ
- comprehensive test of trigger firmware completed:
  - → 100.0% purity and 100.0% efficiency found in road pulser tests
- trigger road selection optimized for:
  - good DAQ livetime
  - good acceptance rate of Drell-Yan events
  - ToDo: restructure trigger firmware generation
- NIM / FPGA trigger comparison:
  - under discussion
- trigger systems await beam

# **Online Monitoring**

- decoder ✓ : cross checked, improving high-rate capability
- first release of SeaScape ✓
- FNAL web server: many thanks to computing division



#### **Beam Status**

- Main Injector slow-spill extraction
- last week's schedule: commissioning beam by November 4th, i.e. today
- status of external beam-line for SeaQuest:
  - vacuum problems in the lab-famous berm pipe
    - → problem with new pipe or its flanges
  - under investigation by accelerator division
- commissioning of beam-line Cerenkov counter:
  - bucket-by-bucket intensity measurement
  - improved beam diagnostics
  - will allow for trigger veto

The E-906/SeaQuest collaboration is looking forward to the commissioning and data taking with the 120 GeV proton beam with a high duty factor!